

AUTOMATIC PACKAGING MACHINE WITH FUNCTION OF AUTOMATICALLY ADJUSTING CUTTING POSITION

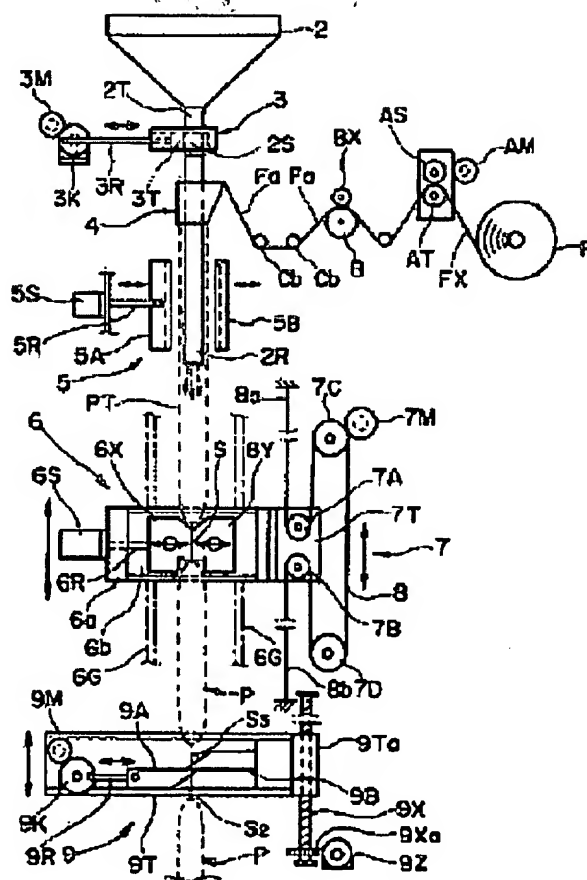
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Abstract of JP10147304

PROBLEM TO BE SOLVED: To make extremely easily and accurately the adjustment of the vertical movement of a cutter which accompanies the bag-size alteration of a package product, by automatically adjusting, based on a numerical value for the control of a lateral-sealer-vertically-driving device, the position of the vertical movement of a cutter device to a position matching the position of the vertical movement of a lateral sealer.

SOLUTION: The cutter frame 9T of a cutter device 9 is free to move vertically by the rotation of a screw shaft 9X which rotates by means of a cutter-vertically-moving motor 9Z to which a guide 9Ta is mounted via a gear mechanism 9Xa. When numerical data for the control of a lateral-sealer-vertically-driving motor 7M is determined by the setting of a program, the cutting position of the cutter device 9 is determined, in synchronization with it, by the calculation of the rotational speed of the cutter-vertically-driving motor 9Z because an amount of the downward stroke of each of lateral sealers 6X and 6Y and the position of the vertical movement of the cutter device 9 always correlate with each other. Thus, by moving the cutter device 9 to the cutting position, a lateral seal part can accurately be cut along its middle line.



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